Erratum: Properties of the Michaelis-Menten Equation and Its Integrated Form Which Are Useful in Pharmacokinetics

In the paper by John G. Wagner (1) equations 12-14 should be replaced by the corresponding equations 12-14 below:

$$\begin{aligned} \text{Area } 0 \rightarrow T &= \int_0^T C \cdot dt = \int_{c_T}^{c_0} t \cdot dC + C_T \cdot T \\ &= (1/V_m)[(C_0^2/2) + (C_T^2/2) - C_0 C_T + K_m \\ &\quad \times \{C_0 - C_T - C_T \ln(C_0/C_T)\}] + C_T \cdot T \quad (12) \end{aligned}$$

$$\begin{aligned} \text{Area } T \rightarrow \infty &= \int_T^\infty C \cdot dt = \int_0^{c_T} t \cdot dC - C_T \cdot T \\ &= (C_T/V_m)[C_0 - (C_T/2) + K_m\{\ln(C_0/C_T) + 1\}] \\ &\quad - C_T \cdot T \quad (13) \end{aligned}$$

$$\begin{aligned} \text{Area } 0 \rightarrow \infty &= \int_0^\infty C \cdot dt = \int_0^{c_0} t \cdot dC = (C_0/V_m)[(C_0/2) + K_m] \\ &\quad (14) \end{aligned}$$

Also, Fig. 6 should be replaced by the corresponding Fig. 6 shown on the next page.

Fig. 6. Plot of the area $0 \rightarrow T$ against time for the curves plotted in Fig. 1.

REFERENCE

1. J. G. Wagner. Properties of the Michaelis-Menten equation and its integrated form which are useful in pharmacokinetics. *J. Pharmacokin. Biopharm.* 1: 103-121 (1973).